

47 23

Abstract

A base transceiver station for a radio communication system comprises a
5 transmitter unit (TU), a receiver unit (RU) and a transmit path between the
transmitter unit (TU) and an antenna . The receiver unit (RU) determines output
data from received signals and the transmitter unit (TU) converts input data into
transmitted signals and pre-distorts the transmitted signals using at least one
compensation value. The base transceiver station comprises also a branching
10 unit for transferring at least a portion of a transmitted signal from the transmit
path to the receiver unit (RU) and a processing unit (PU) which is adapted to
receive a representation of the input data and the output data. The processing
unit (PU) compares the input data to the output data, determines a first
compensation value for the pre-distortion according to the comparison and
15 updates the compensation value of the transmitter unit (TU) with the first
compensation value. Methods and computer programs embodying the invention
are also described.